

## **LISTING OF CLAIMS**

What is claimed is:

1. A truck mounted rotating broom system comprising:

a rotating broom mounting and control assembly;

a support structure mounted to the truck; and

a non-rigid connection therebetween.

2. The truck mounted rotating broom system as defined in claim 1 wherein

said support structure includes:

a substantially stationary gooseneck assembly; and

a swinging trunnion assembly rotatably connected to said substantially

5 stationary gooseneck assembly.

3. The truck mounted rotating broom system as defined in claim 1 wherein

said non-rigid connection includes a floating beam and a four bar connection between

said swinging trunnion assembly and said floating beam.

4. A truck mounted rotating broom system comprising: a support structure

including:

a substantially stationary gooseneck assembly constructed and arranged

to mount to the front of the truck; and

5                   a swinging trunnion assembly constructed and arranged for rotatable  
connection to said substantially stationary gooseneck assembly; means for  
controlling the position of said swinging trunnion assembly  
with respect to said gooseneck assembly;  
a non-rigid connection including a floating beam assembly; and  
10                   a broom positioning, supporting, and rotating assembly connected to said  
floating beam assembly.

5.       The system as defined in claim 1 wherein said non-rigid connection  
includes a multiple link attachment mechanism.

6.       The mounting assembly as defined in claim 1 wherein said rotating 2  
mounting and control assembly includes:

a substantially horizontal beam including a left portion, a right portion, 4  
and a central portion;

5                   a first caster assembly constructed and arranged for mounting to said left  
portion of said substantially horizontal beam;

a second caster assembly constructed and arranged for mounting to said  
right portion of said substantially horizontal beam;

10                   a first pivot arm assembly connected to the left end of said substantially  
horizontal beam;

a second pivot arm assembly connected to the right end of said 12  
substantially horizontal beam;

means for mounting said non-rigid connection to said substantially  
horizontal beam; and

15 means for providing rotational power to the rotating broom.

7. A system for removing snow from a paved surface, comprising: a truck;  
a rotating broom system mounted to the front of said truck;  
said rotating broom system including:

5 a positioning, supporting, and rotating assembly for a rotating  
broom;

a support structure mounted to said truck; and

a non-rigid connection between said positioning, supporting, and  
rotating assembly and said support structure.

## **ELECTION OF CLAIMS FOR CONTINUED EXAMINATION**

Applicant selects Claims 1-5 which correspond to the species reflected in Figure 1 for further examination. Claims 1-5 are set forth as follows:

1. A truck mounted rotating broom system comprising:  
a rotating broom mounting and control assembly;  
a support structure mounted to the truck; and  
a non-rigid connection there between.

2. The truck mounted rotating broom system as defined in claim 1 wherein said support structure includes:

- a substantially stationary gooseneck assembly; and
- a swinging trunnion assembly rotatably connected to said substantially

5 stationary gooseneck assembly.

3. The truck mounted rotating broom system as defined in claim 1 wherein said non-rigid connection includes a floating beam and a four bar connection between said swinging trunnion assembly and said floating beam.

4. A truck mounted rotating broom system comprising: a support structure including:

- a substantially stationary gooseneck assembly constructed and arranged to mount to the front of the truck; and

5                   a swinging trunnion assembly constructed and arranged for rotatable connection to said substantially stationary gooseneck assembly; means for controlling the position of said swinging trunnion assembly with respect to said gooseneck assembly;

                  a non-rigid connection including a floating beam assembly; and

10                  a broom positioning, supporting, and rotating assembly connected to said floating beam assembly.

5.       The system as defined in claim 1 wherein said non-rigid connection includes a multiple link attachment mechanism.